

## AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior listings and versions:

1 to 56. (canceled).

57. (currently amended): A cell comprising a complex between a non-naturally occurring ~~exogenous molecule~~ zinc finger protein and chromosomal cellular chromatin; wherein the zinc finger protein is bound to a binding site in cellular chromatin within a cell, wherein the binding site comprises a target site and is in an accessible region of the cellular chromatin ~~that is sensitive to a probe of chromatin structure.~~

58-67. (canceled)

68. (currently amended): The cell of claim 57 ~~66~~, wherein the ~~exogenous molecule is a polypeptide~~ zinc finger protein is encoded by a nucleic acid introduced into the cell.

69. (currently amended): The cell of claim 57 ~~66~~, wherein the cell is a plant cell.

70. (currently amended): The cell of claim 57 ~~66~~, wherein the cell is an animal cell.

71. (currently amended): The cell of claim 57 ~~66~~, wherein the cell is a human cell.

72-90. (canceled)

91. (withdrawn, currently amended) A method for forming a cell comprising a complex according to claim 57 ~~between a non-naturally occurring exogenous molecule and a binding site in a first region of interest in cellular chromatin within a cell, wherein the binding site comprises a target site~~, wherein the method comprises:

- (a) identifying ~~an accessible a second region, within the region of the~~ cellular chromatin of interest, that is sensitive to a probe of chromatin structure;
- (b) identifying a target site for the zinc finger protein ~~exogenous molecule~~ within the accessible ~~second~~ region; and
- (c) introducing the zinc finger protein ~~exogenous molecule~~ into the cell; whereby the zinc finger protein ~~exogenous molecule~~ binds to the target ~~binding~~ site.

92. (canceled).

93. (withdrawn, currently amended) The method according to claim 91 wherein the accessible region is identified using ~~probe of chromatin structure~~ is a nuclease.

94-95. (canceled).

96. (withdrawn, currently amended) The method according to claim 91 wherein the ~~exogenous molecule is a polypeptide~~ zinc finger protein is encoded by an ~~exogenous~~ nucleic acid introduced into the cell.

97. (withdrawn) The method according to claim 91, wherein the cell is a eukaryotic cell.

98. (withdrawn) The method according to claim 97, wherein the cell is a plant cell.

99. (withdrawn) The method according to claim 97, wherein the cell is a mammalian cell.

100. (withdrawn) The method according to claim 99, wherein the cell is a human cell.

101. (withdrawn) The method according to claim 91, wherein the binding site is in a coding region.

**102.** (withdrawn) The method according to claim 91, wherein the binding site is in a non-coding region.